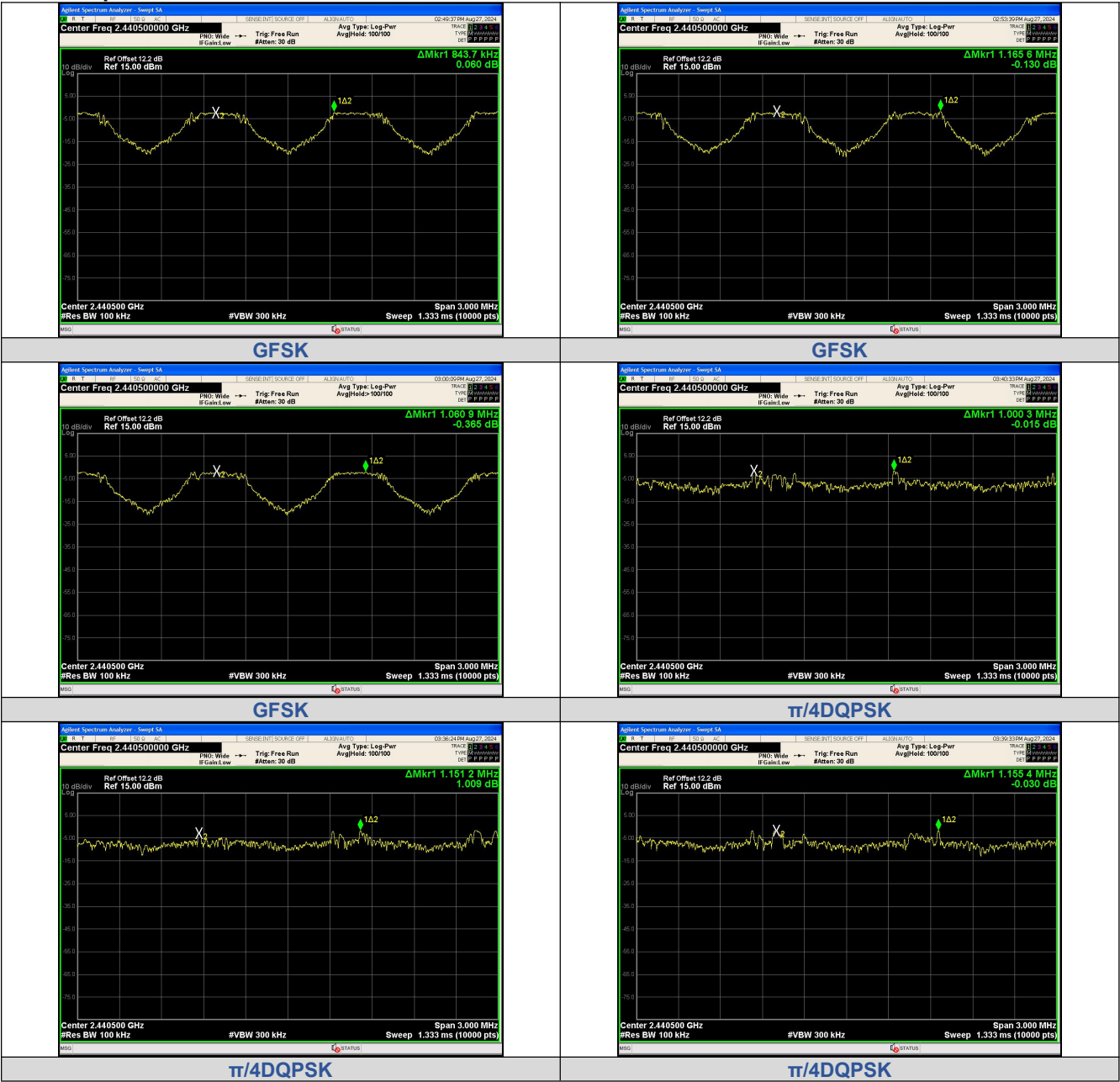
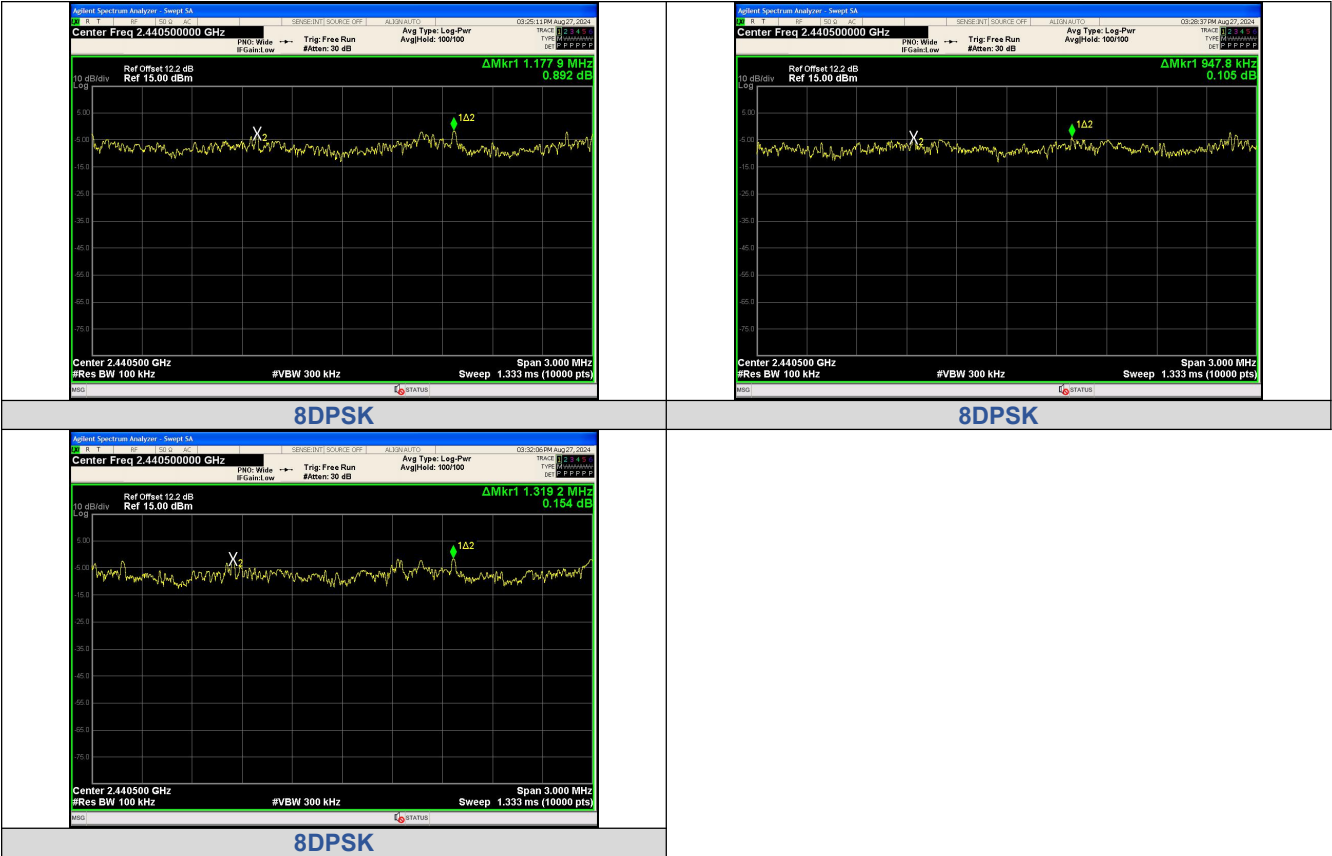


APPENDIX VII.Carrier Frequencies Separation  
Test Result

| Modulation    | Packet | Left Center frequency (MHz) | Right Center frequency (MHz) | Hopping Frequency Separation (MHz) | Limit (MHz) | Result |
|---------------|--------|-----------------------------|------------------------------|------------------------------------|-------------|--------|
| GFSK          | DH5    | 2439.9862                   | 2440.8299                    | 0.8437                             | 0.637       | PASS   |
| GFSK          | DH5    | 2440.0033                   | 2441.1689                    | 1.1656                             | 0.639       | PASS   |
| GFSK          | DH5    | 2439.9925                   | 2441.0534                    | 1.0609                             | 0.64        | PASS   |
| $\pi$ /4DQPSK | 2-DH5  | 2439.8386                   | 2440.8389                    | 1.0003                             | 0.855       | PASS   |
| $\pi$ /4DQPSK | 2-DH5  | 2439.8653                   | 2441.0165                    | 1.1512                             | 0.857       | PASS   |
| $\pi$ /4DQPSK | 2-DH5  | 2439.9991                   | 2441.1545                    | 1.1554                             | 0.855       | PASS   |
| 8DPSK         | 3-DH5  | 2439.9895                   | 2441.1674                    | 1.1779                             | 0.865       | PASS   |
| 8DPSK         | 3-DH5  | 2439.9412                   | 2440.889                     | 0.9478                             | 0.866       | PASS   |
| 8DPSK         | 3-DH5  | 2439.8452                   | 2441.1644                    | 1.3192                             | 0.857       | PASS   |

Test Graphs





**APPENDIX VIII. Conducted Out Of Band Emission****Test Result****Non-Hopping**

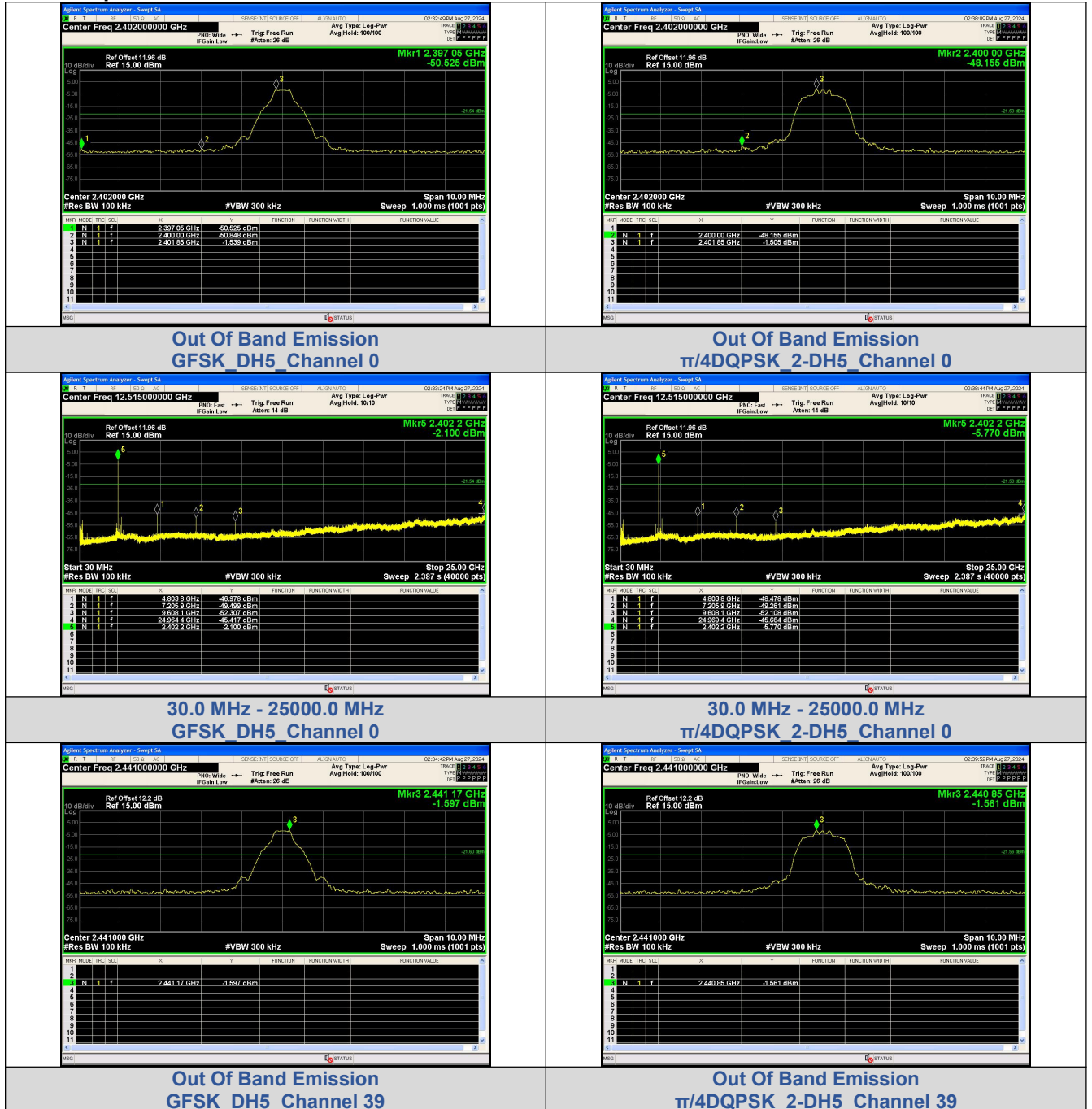
| Modulation    | Packet | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|---------------|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| GFSK          | DH5    | 0       | 2397.05                      | -50.525                  | -21.54      | -28.985         | PASS   |
|               |        |         | 2400.00                      | -50.848                  | -21.54      | -29.308         | PASS   |
|               |        |         | 4803.80                      | -46.978                  | -21.54      | -25.438         | PASS   |
|               |        |         | 7205.90                      | -49.498                  | -21.54      | -27.959         | PASS   |
|               |        |         | 9608.10                      | -52.307                  | -21.54      | -30.767         | PASS   |
|               |        |         | 24964.4                      | -45.417                  | -21.54      | -23.877         | PASS   |
|               |        | 39      | 4881.79                      | -45.084                  | -21.6       | -23.484         | PASS   |
|               |        |         | 7323.30                      | -50.828                  | -21.6       | -29.228         | PASS   |
|               |        |         | 9764.17                      | -53.183                  | -21.6       | -31.583         | PASS   |
|               |        | 78      | 2483.50                      | -51.628                  | -22.01      | -29.618         | PASS   |
|               |        |         | 4959.83                      | -45.453                  | -22.01      | -23.443         | PASS   |
|               |        |         | 7440.03                      | -49.661                  | -22.01      | -27.651         | PASS   |
|               |        |         | 9920.24                      | -53.484                  | -22.01      | -31.474         | PASS   |
| $\pi/4$ DQPSK | 2-DH5  | 0       | 2400.00                      | -48.155                  | -21.5       | -26.655         | PASS   |
|               |        |         | 4803.76                      | -48.478                  | -21.5       | -26.978         | PASS   |
|               |        |         | 7205.93                      | -49.261                  | -21.5       | -27.761         | PASS   |
|               |        |         | 9608.11                      | -52.108                  | -21.5       | -30.608         | PASS   |
|               |        |         | 24969.4                      | -45.664                  | -21.5       | -24.164         | PASS   |
|               |        | 39      | 4881.79                      | -45.279                  | -21.56      | -23.719         | PASS   |
|               |        |         | 7323.30                      | -54.159                  | -21.56      | -32.599         | PASS   |
|               |        |         | 9764.17                      | -52.947                  | -21.56      | -31.387         | PASS   |
|               |        | 78      | 2483.50                      | -50.667                  | -21.89      | -28.777         | PASS   |
|               |        |         | 4959.83                      | -45.064                  | -21.89      | -23.174         | PASS   |
|               |        |         | 7440.03                      | -53.068                  | -21.89      | -31.178         | PASS   |
|               |        |         | 9920.24                      | -53.479                  | -21.89      | -31.589         | PASS   |
| 8DPSK         | 3-DH5  | 0       | 2398.82                      | -50.237                  | -21.52      | -28.717         | PASS   |
|               |        |         | 2400.00                      | -50.560                  | -21.52      | -29.040         | PASS   |
|               |        |         | 4803.80                      | -48.708                  | -21.52      | -27.188         | PASS   |
|               |        |         | 7205.90                      | -52.765                  | -21.52      | -31.245         | PASS   |
|               |        |         | 9608.10                      | -52.231                  | -21.52      | -30.711         | PASS   |
|               |        |         | 24936.9                      | -46.401                  | -21.52      | -24.881         | PASS   |
|               |        | 39      | 4881.79                      | -45.530                  | -21.61      | -23.920         | PASS   |
|               |        |         | 7323.30                      | -53.111                  | -21.61      | -31.501         | PASS   |
|               |        |         | 9764.17                      | -53.080                  | -21.61      | -31.470         | PASS   |
|               |        | 78      | 2483.50                      | -51.289                  | -22.0       | -29.289         | PASS   |
|               |        |         | 4959.83                      | -46.576                  | -22.0       | -24.576         | PASS   |
|               |        |         | 7440.03                      | -52.345                  | -22.0       | -30.345         | PASS   |
|               |        |         | 9920.24                      | -53.958                  | -22.0       | -31.958         | PASS   |
|               |        |         | 24922.6                      | -45.349                  | -22.0       | -23.349         | PASS   |

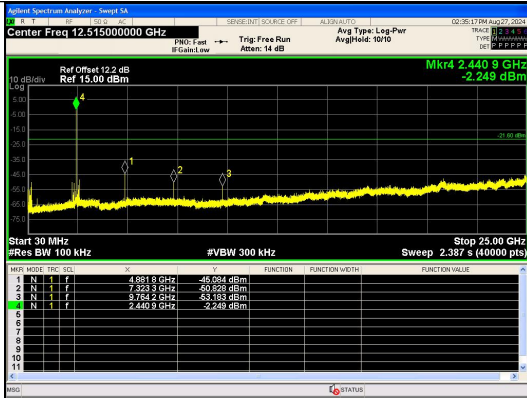
**Hopping**

| Hopping    |         |         |                              |                          |             |                 |        |
|------------|---------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| Modulation | Packet  | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
| GFSK       | DH5     | Hopping | 2398.55                      | -49.461                  | -21.67      | -27.791         | PASS   |
|            |         |         | 2400.00                      | -51.362                  | -21.67      | -29.692         | PASS   |
|            |         |         | 2483.50                      | -51.641                  | -22.0       | -29.641         | PASS   |
|            |         |         | 2395.42                      | -49.191                  | -21.6       | -27.591         | PASS   |
|            |         |         | 2400.00                      | -49.992                  | -21.6       | -28.392         | PASS   |
|            |         |         | 2483.50                      | -51.311                  | -22.04      | -29.271         | PASS   |
|            |         |         | 2396.96                      | -49.863                  | -21.77      | -28.093         | PASS   |
|            |         |         | 2400.00                      | -51.316                  | -21.77      | -29.546         | PASS   |
| 2483.50    | -50.035 |         | -21.91                       | -28.125                  | PASS        |                 |        |
| π/4DQPSK   | 2-DH5   |         | 2395.92                      | -49.294                  | -21.54      | -27.754         | PASS   |
|            |         |         | 2400.00                      | -50.722                  | -21.54      | -29.182         | PASS   |
|            |         |         | 2483.50                      | -51.306                  | -22.01      | -29.296         | PASS   |
|            |         |         | 2397.27                      | -49.698                  | -21.58      | -28.118         | PASS   |
|            |         |         | 2400.00                      | -51.926                  | -21.58      | -30.346         | PASS   |
|            |         |         | 2483.50                      | -51.928                  | -21.9       | -30.028         | PASS   |
|            |         |         |                              |                          |             |                 |        |

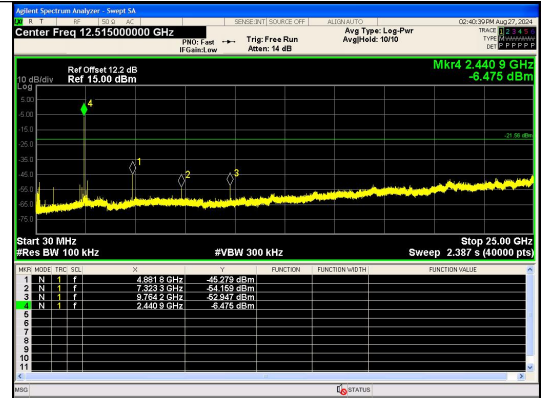
|       |       |  |         |         |        |         |      |
|-------|-------|--|---------|---------|--------|---------|------|
| 8DPSK | 3-DH5 |  | 2398.47 | -49.515 | -21.56 | -27.955 | PASS |
|       |       |  | 2400.00 | -50.356 | -21.56 | -28.796 | PASS |
|       |       |  | 2483.50 | -50.161 | -21.84 | -28.321 | PASS |
|       |       |  | 2395.46 | -49.610 | -21.56 | -28.050 | PASS |
|       |       |  | 2400.00 | -51.908 | -21.56 | -30.348 | PASS |
|       |       |  | 2483.50 | -51.837 | -22.05 | -29.787 | PASS |
|       |       |  | 2398.40 | -49.829 | -21.77 | -28.059 | PASS |
|       |       |  | 2400.00 | -52.003 | -21.77 | -30.233 | PASS |
|       |       |  | 2483.50 | -51.295 | -21.93 | -29.365 | PASS |
|       |       |  | 2397.47 | -50.335 | -21.62 | -28.715 | PASS |
|       |       |  | 2400.00 | -52.144 | -21.62 | -30.524 | PASS |
|       |       |  | 2483.50 | -51.603 | -22.43 | -29.173 | PASS |

## Test Graphs

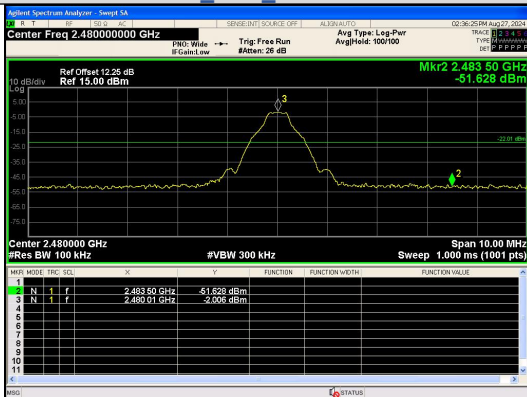




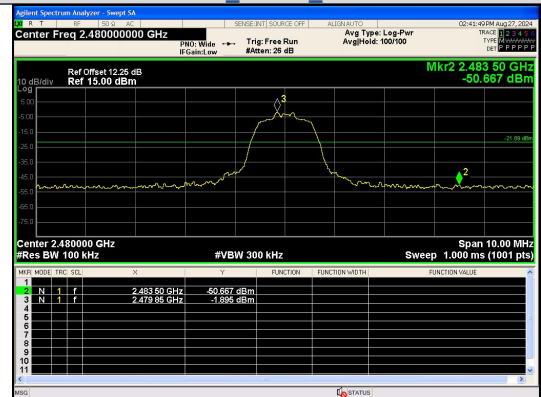
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 39



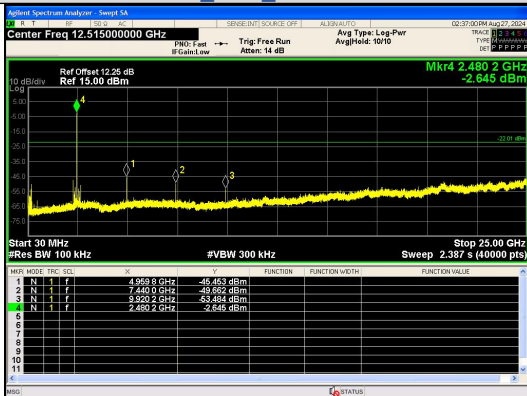
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 39



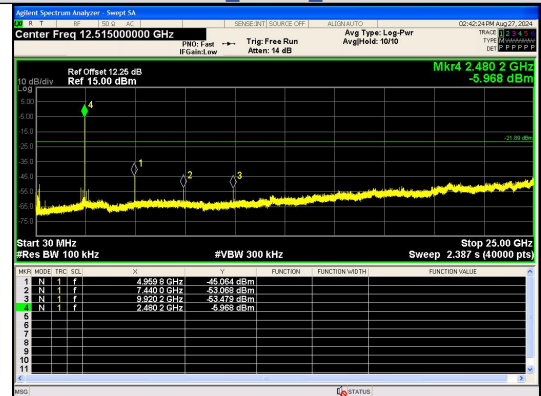
Out Of Band Emission  
GFSK\_DH5\_Channel 78



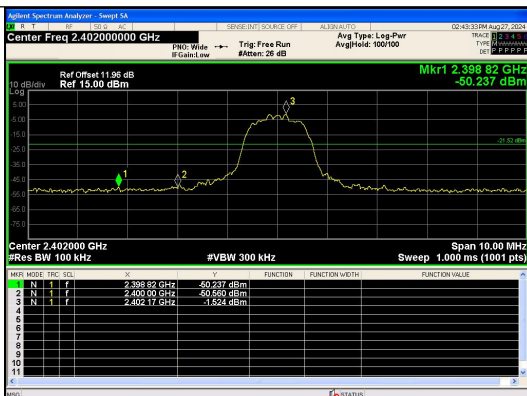
Out Of Band Emission  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



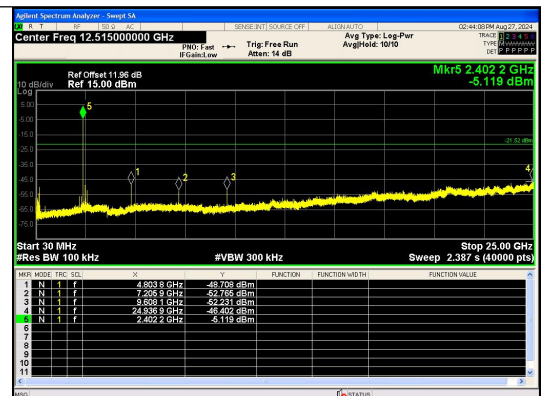
30.0 MHz - 25000.0 MHz  
GFSK\_DH5\_Channel 78



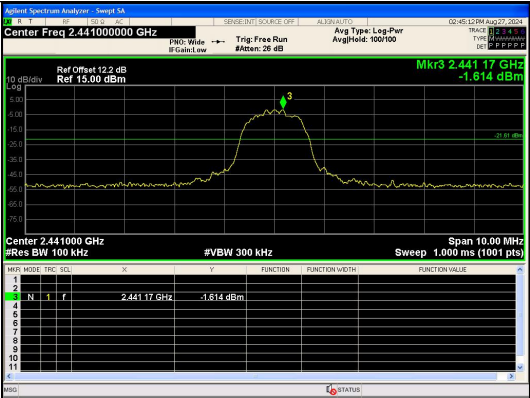
30.0 MHz - 25000.0 MHz  
 $\pi/4$ DQPSK\_2-DH5\_Channel 78



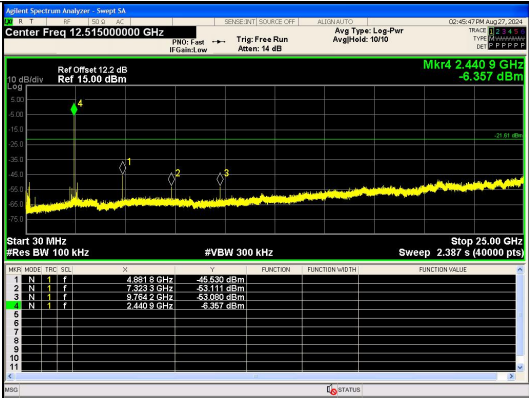
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 0



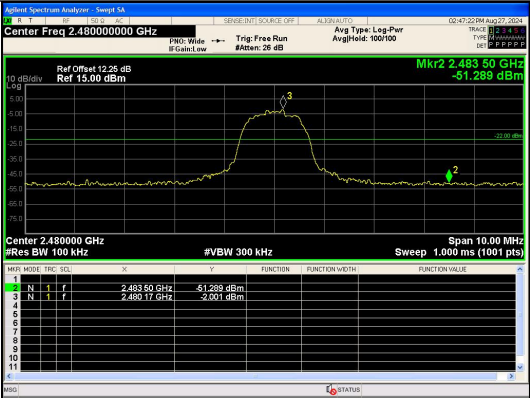
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 0



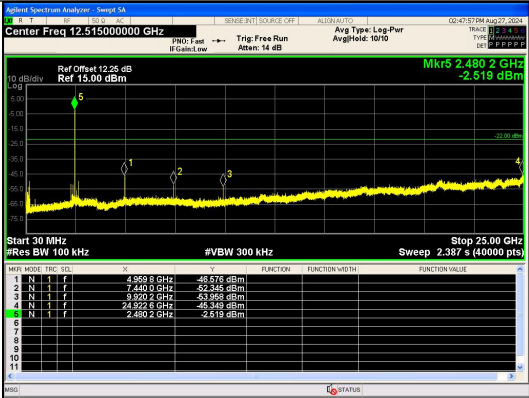
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 39



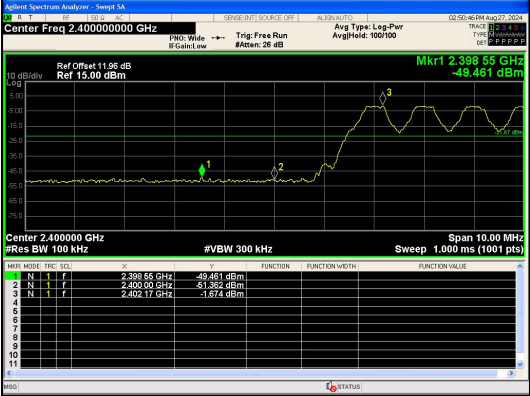
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 39



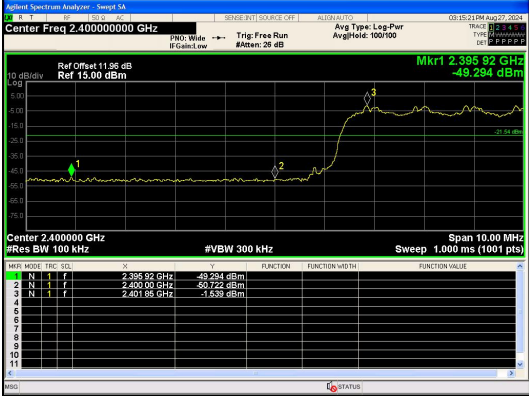
Out Of Band Emission  
8DPSK\_3-DH5\_Channel 78



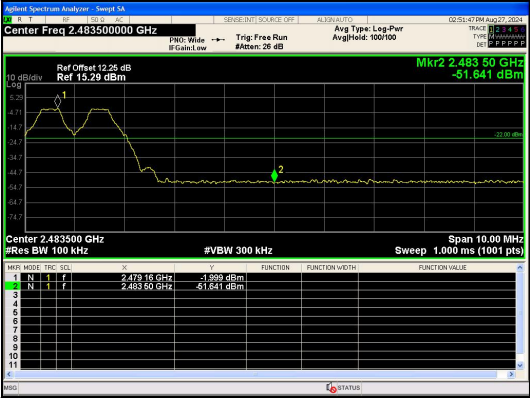
30.0 MHz - 25000.0 MHz  
8DPSK\_3-DH5\_Channel 78



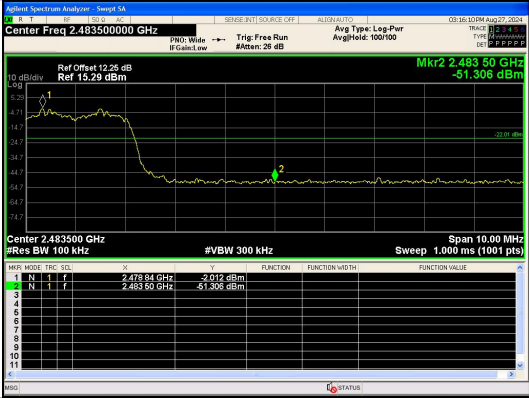
Out Of Band Emission(Left)  
GFSK\_DH5\_Channel Hopping



Out Of Band Emission(Left)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping



Out Of Band Emission(Right)  
GFSK\_DH5\_Channel Hopping



Out Of Band Emission(Right)  
 $\pi/4$ DQPSK\_2-DH5\_Channel Hopping